

STANDARD 6

Students illustrate how social, organizational and technological systems function.

Definition: A system equals an organized framework made up of interrelated components acting together as a whole, in which a change in one component may affect the entire operation. Examples of systems are social (e.g., family, school) and technological (e.g., local area network, telephone).

READINESS (Kindergarten)

Students know and are able to do the following:

- **6WP-R1. Understand the components of family and school systems in their daily life**

PO 1. Identify systems in the community (e.g., family, school, social, technological...)

FOUNDATIONS (Grades 1-3)

Students know and are able to do all of the above and the following:

- **6WP-F1. Identify the components and how they fit together in community and social systems**

PO 1. Discuss the relationship between systems in the community (e.g., family, school, social, technological)

ESSENTIALS (Grades 4-8)

Students know and are able to do all of the above and the following:

- **6WP-E1. Identify the factors impacting the level of effectiveness of systems**

PO 1. Define a system

PO 2. Identify numerous systems that impact students' daily lives

PO 3. Compare how systems vary in effectiveness

PO 4. Identify how factors influence the effectiveness of a system

PROFICIENCY (Grades 9-12)

Students know and are able to do all of the above and the following:

- **6WP-P1. Draft and interpret an organizational chart**

PO 1. Design an organizational chart

PO 2. Interpret an organizational structure

- **6WP-P2. Evaluate the quality and performance of workplace systems, distinguish trends, and recommend improvements and modifications to an existing system to improve products or services**

PO 1. Describe alternate workplace systems

PO 2. Evaluate the quality and performance of workplace systems

PO 3. Distinguish trends in workplace systems

PO 4. Generate recommendations for improvements/modifications to existing workplace systems

- **6WP-P3. Understand how changing a component of a system (e.g., changing how employees are assigned to work shifts, using the Internet) impacts the whole system**

PO 1. Analyze the cause and effect relationships within a real world setting

DISTINCTION (Honors)

Students know and are able to do all of the above and the following:

- **6WP-D1. Predict the impact of actions on system operations, diagnose deviations in the function of systems/organizations, and take necessary action to correct performance**

- **6WP-D2. Anticipate and project potential modification of systems to meet the needs of a changing society**